

T-BV xxx N Gas Discharge Tube (4.5×3.2×2.7mm)

Description

- ◆ Small Size Design EIA 1812 4.5×3.2×2.7mm .
- ◆ High Current Handling Capability 1,000A @ 8/20μs.
- ◆ Low Capacitance and Insertion Loss
- ◆ Fast Response and Long Service Life .
- ◆ Reliable to Protect Electrostatic Surge .



Electrical Parameters @ T=25℃ RH = 45%-75%

Part Number	DC Breakdown Voltage ^①	Tolerance	Impulse Spark-over Voltage	Impulse Discharge Current ^②	Insulation Resistance		C ^③ (1MHz)
	100V/s ^④				GΩ	DC	
T-BV071N	70V	±30%	δ 700V	1,000A	≥1	25V	≤1pF
T-BV091N	90V	±30%	δ 700V	1,000A	≥1	50V	≤1pF
T-BV151N	150V	±30%	δ 750V	1,000A	≥1	50V	≤1pF
T-BV201N	200V	±30%	δ 750V	1,000A	≥1	100V	≤1pF
T-BV231N	230V	±30%	δ 750V	1,000A	≥1	100V	≤1pF
T-BV301N	300V	±30%	δ 800V	1,000A	≥1	100V	≤1pF

- ◆ The parameters of all are tested by ITU-T K12
- ◆ Total Impulse Discharge Current 1,000A @ 8/20μs by IEC 61000-4-5, 10 shots
- ◆ The capacitance are tested by 10kHz @ DC= 0.3V
- ◆ The V-T waveform of DCBV and IPBV mus lie between the shades.

Description of Part Number

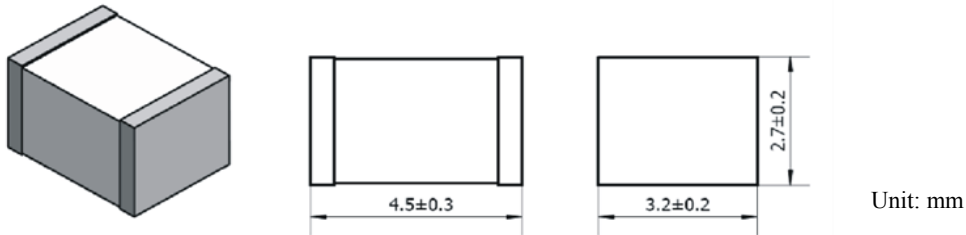
T **BVXXX** **N**

① ② ③

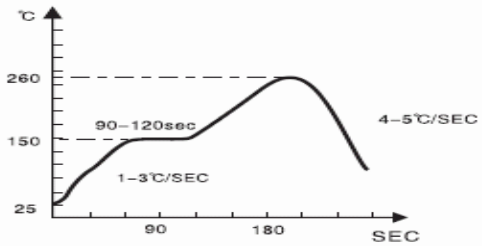
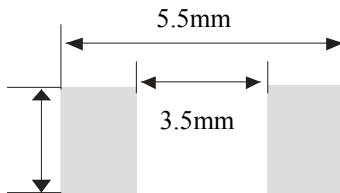
- ① Tech-chip SMD Gas Discharge Tube in 4.5×3.2×2.7 (L×W×H) (mm),
Total Impulse Discharge Current 1,000A @8/20μs
- ② DC Breakdown Voltage, e.g., 151=15×10¹=150V
- ③ Tolerance is DC Breakdown Voltage, M=+-20%, N=+-30%

T-BV201N Gas Discharge Tube (4.5×3.2×2.7mm)

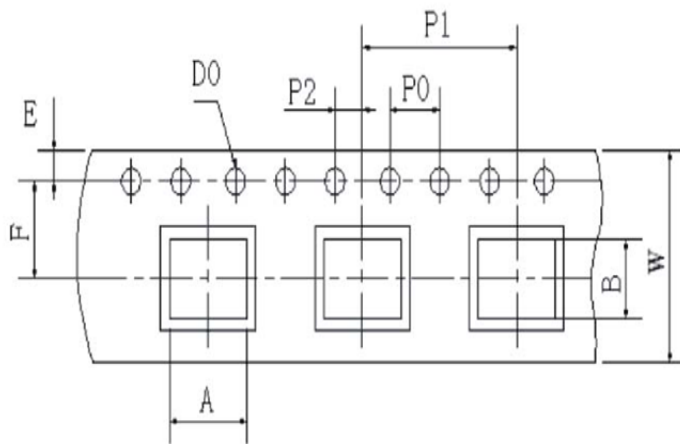
Dimensions



RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



PACKAGE REEL INFORMATION



ITEM	DIM(MM)
A	3.5-3.9
B	4.5-4.9
D0	1.5-1.6
E	1.65-1.85
F	5.4-5.6
P0	3.9-4.1
P1	7.9-8.1
P2	1.9-2.1
W	11.7-12.3

OUTLINE	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETER (mm)	CARTON SIZE (mm)		
				L	W	H
TAPING	2,000	32,000	330	360	360	360